



Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint
Source and Storm Water Management Grant Program

Form 3400-189 (R 11/05)

Page 1

Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Instructions: The grant agreement requires grantees to submit a Final Report 60 days after the end date listed in the grant agreement. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR.

1. Grant Type

- ☐ Agricultural - Targeted Runoff Management Grant
- ☒ Urban - Targeted Runoff Management Grant
- ☐ Construction - Urban Nonpoint Source & Storm Water Management Grant
- ☐ Planning - Urban Nonpoint Source & Storm Water Management Grant

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2. Grantee & Project Information

BUREAU OF WATERSHED MGMT

| | |
|---|---|
| Project Name East Alaska Lake Storm Sewer Project | Grant Number TUC-TK04-31000-04 |
| Governmental Unit Name Kewaunee County Land & Water Conservation Department | Governmental Unit Type (city, village, town, etc.) County |
| Watershed Name Ahnapee River | Watershed Code TK04-1000 |
| DNR Water Management Unit (River System) Name Twin-Door-Kewaunee | Water Body Identification Code (WBIC) (if applicable) |

s. 303(d) Waterbody? ☐ Yes ☒ No

What pollutant(s) were addressed by the project?

Suspended materials (rusted pieces off cars, rubber from cars, brake lining material), road salt, petroleum, hydrocarbons (oil & gasoline), antifreeze, and heavy metals from vehicles (cadmium, chromium, copper, lead, zinc).

For each project site location provide the following: (attach additional sheets if necessary)

| Location: | | A | B | C | D | E |
|---|-----------------|---|---|---|---|---|
| Minor Civil Division Name | | | | | | |
| PLSS | Town | 24N | | | | |
| | Range | 25E | | | | |
| | Section | 19 | | | | |
| | Quarter | NE | | | | |
| | Quarter-Quarter | NE | | | | |
| Latitude | | 87°30'10.2W | | | | |
| Longitude | | 44°32'39.8"N | | | | |
| Property Owner(s) | Name | Kewaunee County | | | | |
| | Mailing address | 127 Commerce Dr Luxemburg, 54217 | | | | |
| Site address (if different than mailing address) | | | | | | |

3. Summary of Results

A. Performance Standards and Prohibitions and Other Water Resources Management Priorities

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application.
For grants issued prior to calendar year 2006, complete Tables A and B, *to the best of your knowledge*, consistent with the entries on your grant application.

Table A. Performance Standards and Prohibitions (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

| Performance Standard or Prohibition | Units of Measure | Quantity | Measurement Method Used |
|---|---------------------------------|-------------|-------------------------|
| Sheet, rill and wind erosion | Acres meeting T | | |
| Manure Storage Facilities: New Construction/Alterations | Number of facilities | | |
| | Number of animal units | | |
| Manure Storage Facilities: Closure | Number of facilities | | |
| Manure Storage Facilities: Failing/Leaking Facilities | Number of facilities | | |
| | Number of animal units | | |
| Clean Water Diversions in WQMA | Pollutant load reduction | | |
| | Number of farms with diversions | | |
| | Number animal units | | |
| Nutrient Management on Agricultural Land | Acres planned | | |
| Prohibition: Manure Storage Overflow | Number of facilities | | |
| | Number of animal units | | |
| Prohibition: Unconfined Manure Pile in WQMA | Number of farms | | |
| Prohibition: Direct Runoff From Feedlot/Stored Manure | Pollutant load reduction | | |
| | Number of facilities | | |
| | Number of animal units | | |
| Prohibition: Unlimited Livestock Access | Feet of bank protected | | |
| | Number of farms | | |
| Urban: 20-40% Reduction in Total Suspended Solids (TSS) | Pounds TSS reduced | 98 | SLAMM |
| | % TSS reduction | 5-10 | SLAMM |

Table B. Other Water Resources Management Priorities

| I. Agricultural Areas | Units of Measure | Quantity | Measurement Method Used |
|--|----------------------------------|----------|-------------------------|
| Buffers | Feet of bank protected | | |
| | Number of farms | | |
| Streambank | Tons of bank erosion reduced | | |
| | Feet of bank protected | | |
| Other (specify) | | | |
| II. Developed Urban Areas | Units of Measure | Quantity | Measurement Method Used |
| Urban: 20-40% Reduction in TSS | Pounds TSS reduced | | |
| | % TSS reduction | | |
| Infiltration | % Pre-development stay-on volume | | |
| | Cubic feet stay-on volume | | |
| Peak flow discharge | Change in cubic feet per second | | |
| Protective areas | Feet of bank protected | | |
| Fueling & maintenance areas | Oily sheen presence | | |
| Streambank | Tons of bank erosion reduced | | |
| | Feet of bank protected | | |
| Other (specify) | | | |
| III. Planning | Units of Measure | Quantity | Measurement Method Used |
| Quantify how implementation of the planning project decreased storm water impacts on state waters (<i>i.e.</i> , storm water plan, I & E plan, <i>etc.</i>) | Municipalities planned for | | |
| | Acres planned for | | |
| Document/track progress made in implementing the planning product (<i>i.e.</i> , ordinance, utility district evaluation/formation, storm water management plan information & education, <i>etc.</i>) | Municipalities planned for | | |
| | Acres planned for | | |
| Other (specify) | | | |

B. Project Results Narrative

The project reconstructed the existing storm sewer inlet and re-routed the inflowing stormwater through ~ 200 feet of underground pipe; then through a newly constructed level gravel spreader at the upslope end of the existing wooded wetland area. After ~ 200 feet of overland flow through the existing wooded wetland area (roughly 1-2% slope), the runoff now flows through a 50 foot long, existing vegetated roadside ditch, and finally through a corrugated metal culvert beneath County Road D, before entering the lake. A diversion was created upgradient and to the north of the level gravel spreader in order to divert upslope surface runoff, from an unrelated area, around the spreader. All disturbed areas were revegetated and were in accordance to applicable USDA Natural Resource Conservation Service conservation practice standards. The successful completion of this practice is now providing an additional 250 feet of filtering/buffering capacity where beforehand there was none. This is improving and protecting the water quality of East Alaska Lake with the assumption that the stormwater runoff amounts, as well as the associated pollutants, were greatly decreased.

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

| Notice Information | | | | Notice Satisfaction Information | | |
|--------------------|------------|-------------|-----------|---------------------------------|--------------------------|------------------|
| Notice Type | Issue Date | From (Name) | To (Name) | Satisfied? | | Date Letter Sent |
| | | | | Yes | No | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |

5. Summary of Project Challenges

No challenges associated with the project.

6. Additional Information about the Project (optional)

7. Planning Product (UNPS&SW - Planning Projects only)

☐ Check here if a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

| Name of Document | Date(s) effective | Date Submitted to NPS Coordinator |
|------------------|-------------------|-----------------------------------|
|------------------|-------------------|-----------------------------------|

8. Grantee Certification:

☒ Check here to certify that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

Andy Wallander, County Conservationist

| Signature of Authorized Representative | Date |
|--|---------|
|  | 2-27-06 |